

MAXxess MAXxess Systems, Inc.

Extending the Boundaries of Security Management



AXxess™

AXxess NS

AXxess 202

AXxess EXpress

AXxess Lite

Extending the Boundaries of Security Management

MAXxess continues to lead the security industry in innovation and reliability with the latest release of **AXxess™ Security Management Software**. Based around a core software suite, AXxess is a complete family of security management software solutions that can simplify even the most complex security application. The scalable AXxess family of security management solutions features an open architecture approach that provides unparalleled levels of integration to satisfy the unique requirements of both large and small operations.

The MAXxess philosophy is to extend the boundaries of Security Management beyond the traditional role of Electronic Access Control

to encompass the following:

- Access Control, Video Badging, CCTV/DVR Control
- Elevator Control, Alarm Monitoring, Remote Site Management
- Advanced Data Encryption
- The industry's first Multi-layered Environmental Security Module
- Detection of threats including Smoke, Fire Hazards, Toxic Chemicals and Chemical Warfare Agents
- Safe Cities™ Security — The integration of Traffic & Security Management for Airports, Seaports, Government Facilities and large Commercial Operations



Flexible, Scalable and Reliable Electronic Access Control

The heart of any modern Security and Facilities Management System has to be a proven, reliable, feature-rich and future-proofed software package, with the emphasis on simplicity and flexibility. The advanced technology and secure reliability of AXxess software, working through Windows® 2000/XP Professional platforms, is just such a package.

The flexibility of the software allows users to customize the system to suit their individual requirements and to revise or update functionality, as individual needs change. Users may start with the more basic AXxess Lite and AXxess EXpress systems, which offer all of the traditional Access

Control functionality, and upgrade to a fully functional AXxess 202/NS system, which can be configured to manage CCTV control, Alarm Monitoring, Video ID Badging, and Environmental Security. The migration path designed into the AXxess software not only makes upgrading and expansion planning painless, it also protects your original investment.

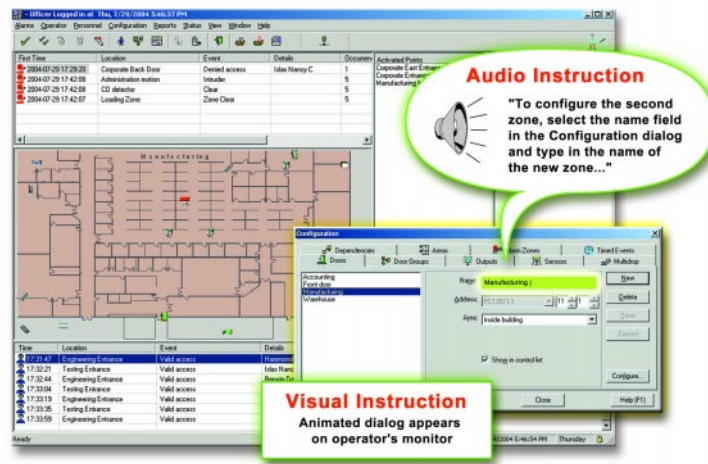
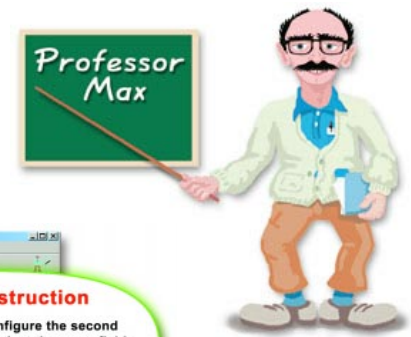
AXxess software is an upwardly compatible family of access control and security management solutions that will always fit your needs, no matter how small you start or how large you grow. AXxess is powerful enough to meet the most demanding applications, yet affordable enough to fit in the budget of any facility—regardless of size.

New Features That Make Security Management Easy

Professor MAX makes it Easy to Learn

Security Managers are challenged with keeping their operational staff trained on the systems used to manage their facilities. Training costs as well as productivity and efficiency suffer with personnel changes and the need for employees to assume multiple roles within today's organizations. To address this issue, the AXxess software family introduces the security industry's first "Self-Teaching" system. Not just an on-line manual, but embedded on-line audio-visual movie files that TEACH and SHOW how to perform all of the tasks required to manage your system.

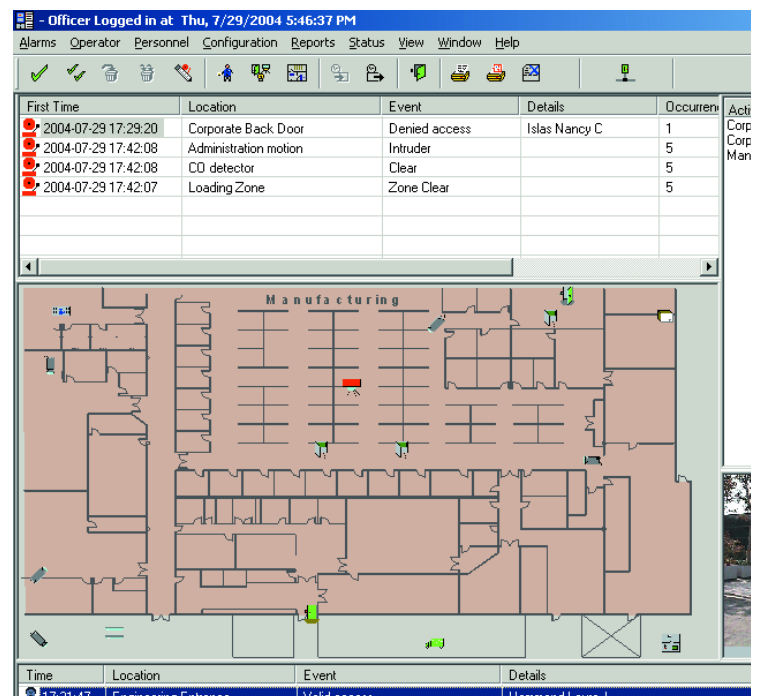
If a picture is worth a 1000 words, then a moving picture with audio instruction is invaluable for explaining and teaching the nuances of system operation and navigation. These "show me how" clips demonstrate and explain the exact interaction and steps your system operators need to take to manage the system. If an operator is unsure about how to perform a task, they can simply ask the system to "show me how." This not only is a great productivity asset, but in that training is such a large cost burden to security managers, it heightens the value of the system with a "low cost of ownership" for on-going operation.



Graphical Floor Plans make AXxess Easy to Use

AXxess software makes it easy to use and navigate the system by allowing for the importing of graphical floor plans from which all system configuration, monitoring, and control functions can be accomplished. This makes the system desktop interface truly intuitive with an elegant simplicity for system management. The desktop can be customized with meaningful graphics, icons and sounds, such that system navigation becomes easy to understand and accomplish, even for first time users.

Additional system features have been built in to make it easier than ever to interact with and manage security system operations. For example an **email** can be sent to key personnel based on any event occurring in the system, or **voice annunciation** can be activated on system events so that important information and action taking messages are heard and not just displayed on the screen.



System Software Application Modules

Advanced Data Encryption Module

Today's technology and economic environment requires us to be efficient and productive. Most organizations now recognize the economic and performance benefits of an enterprise and its systems sharing common corporate network connectivity.

Clearly it's less expensive and more efficient for the security management system to be installed and communicate over that enterprise network, but what about all of that security information being transmitted?

AXxess NS removes the worry and eliminates the threat by utilizing a High Level Data Encryption scheme that encrypts the data on the network between the communicating PC's, workstations, and all hardware devices. AXxess NS deploys an encryption scheme called Rijndael that uses a symmetrical key, block cipher with a 128-bit block. Rijndael is the encryption method recognized by the U.S. Government as meeting the Advanced Encryption Standard (AES.)

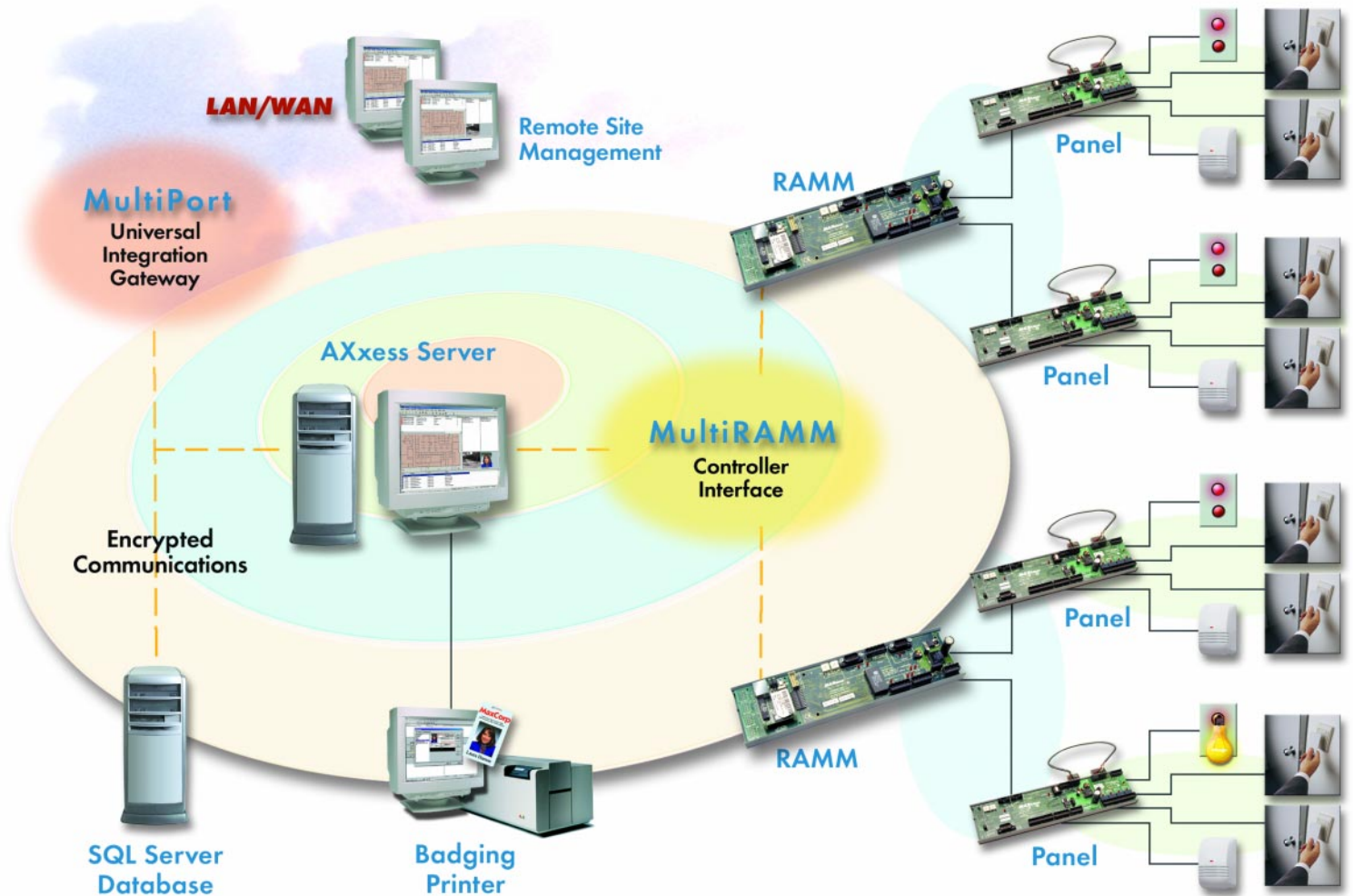
There's no need to add expensive, external hardware devices to your network, AXxess NS deploys this encryption technology of symmetric keys and algorithms within the security management system software and network they work with, enabling organizations to ensure the secure transfer and storage of data.

It's also important to note that AXxess' Rijndael Encryption Module is not network dependent. If you elect to use other means for the connectivity of your system such as RS-485 or Dial up, your data can still be transferred securely using the Encryption Module.

MultiPort "Open Architecture" Integration to the MAX

Modern security management systems must allow for the seamless integration of existing and future technologies. Recognizing this, the AXxess 202/NS family of systems come equipped with a Universal Gateway/Interface to third party devices or systems. This capability called MultiPort resides on the AXxess server and is capable of up to 100

AXxess Security Management System Architecture



external, third party interfaces. The serial integration of the third party system allows for inputs and commands, and bi-directional control of the external system through AXxess' graphical floor plans with its own set of icons, etc. This secure, "open architecture" service is multi-tasking and doesn't bog down other system operations, keeping system thru-put intact. Whether your requirements are generic, for example CCTV Control; or application specific, requiring integration with unique and custom requirements, MultiPort provides the gateway to facilitate and enhance any integration challenge.

VideoKey: A simplified approach to video badging



With an AXxess security management solution from MAXxess, you'll enjoy the convenience and productivity that comes with a video badging system that seamlessly integrates with your access control database. With VideoKey,



access-credential information is entered into the system only once and is maintained in a single database ensuring consistency across the access control network. Compatibility with standard human resources (HR) software automates the personnel data management process.

Integrated CCTV/DVR control simplifies operation

AXxess' security management systems provide single-screen control of your entire security system. By integrating CCTV/DVRs into your MAXxess access control solution, you can monitor alarm events and view video images. You can control domes, multiplexers, VCRs/DVRs and matrix switchers from a single security management workstation or from multiple workstations networked throughout a facility. And for the most comprehensive automated CCTV/DVR control, AXxess security management systems integrate seamlessly with virtually any family of matrix switchers and CCTV equipment.



Integrated Elevator Control

AXxess security management systems not only allow for the control of doors, gates and other standard portals, but also provide the capability to control your elevators. Elevators may be configured to selectively control access to specific floors, based on Access Level and privilege and enhances your ability to provide security to all areas of your facility.

Remote site management improves efficiencies

With more than two decades of experience supporting the electronic security industry, MAXxess understands the need to manage multiple remote sites. Whether your installation includes



separate buildings at a single location or remote facilities scattered around the world, AXxess can facilitate control of your electronic security system — from a single location. Simply connect via Ethernet LAN/WAN or telephone dial-up and you'll enjoy the same level of control as the primary workstation. This is of particular significance for corporate users who may be responsible for the security management of corporate-wide sites in different locations and in different countries where the Language Localization capability of the software is a particular advantage.

Database Partitioning

Beyond providing the standard capability to determine what each operator in the system has the capability of functionally doing, AXxess NS allows for partitioning the database. This allows diverse groups under the management of a single AXxess NS application, to maintain security and control exclusively of their portion of a single database. Database Partitioning will support multiple tenant locations at one site, and/or it will support a single organization occupying multiple buildings and locations.

Additional operator security is provided through the optional use of **Strong Passwords**. This requires that the password be at least 6-12 characters long and use three of the four available character types, i.e. upper case letters, lower case letters, alphanumeric characters, and special characters such as an * or the # sign. You may also elect to use the **Operator Expiration** feature, which automatically expires an operator's current password on the selected date and forces the creation of a new password, and in turn reduces the risk that a compromised password will be valid in the future.

AXxess Solutions That Meet Your Organization's Needs

MAXxess has AXxess solutions for the widest range of applications. With AXxess, you can start out small and upgrade and increase the capacity of your system as your security management requirements change.

Basic solutions for small or single-building applications

AXxess EXpress and AXxess Lite provide basic access control functions and can be upgraded to meet future needs for additional functionality. Small businesses and manufacturing facilities that need a simple and easy-to-use system for locking and unlocking doors, monitoring facility access and protecting valuable assets rely on AXxess EXpress and AXxess Lite access control solutions.

Midrange systems for more complex security applications and larger organizations

From hospitals and medical centers to large manufacturing companies,

organizations have come to trust AXxess 202. AXxess 202 is a fully customizable system that provides security management capabilities for an unlimited number of card readers, users, and alarm points. Users enjoy a seamless network for multiple workstations and an expanded personnel database. Optional features include VideoKey badging, CCTV control, MultiPort, Environmental Security and Elevator Control.

Enterprise-level systems for the most comprehensive security applications

Businesses with multiple locations or sprawling campuses often present an access control challenge. AXxess NS access control solutions are designed specifically for this kind of application. AXxess NS comes standard with all of the features available in AXxess 202 and adds capabilities like Advanced Data Encryption and Database Partitioning. There is virtually no application too large for the power of AXxess NS.

AXxess Security Management Solutions Scale to Fit the Enterprise



Environmental Security

In 2002, MAXxess introduced Environmental Security to the Electronic Access Control marketplace. With AXxess as the core management platform for integration, this breakthrough development takes AXxess far beyond conventional access control, enabling Security Managers to detect and control threats such as toxic gases, radiation, smoke and unauthorized vehicles. All seamlessly integrated and managed from one desktop PC.

AXxess becomes the foundation for a multi-layered solutions suite for multiple security threats. Beyond conventional Access Control, Video Badging, CCTV Integration, Biometric recognition, and Wireless Connectivity, a variety of additional protection layers can be applied to fit any requirements.



Toxic Chemical/Gas Detection: Both internally to your facility through HVAC sensing or externally through perimeter portals and hand-held mobile units, combustible gases, chemicals and chemical warfare agents can be detected, reported, and responded to through seamless integration of their detection into AXxess.

Radiation Detection: In the area of gamma radiation and neutron detection, the system can identify special nuclear material (SNM), as well as medical and industrial isotopes. The system can identify isotopes in one second and confirm in two seconds. The detection of these types of threats can also be deployed against moving targets such as packages, pedestrians, and slow moving vehicles.

Automated Vehicle Detection System: The presence of unauthorized vehicles penetrating a secured area, trying to circumvent an inspection area or even parked or idling too long, can be detected and displayed on the AXxess graphical floor/site plans. This integration and reporting goes well beyond standard motion detection as this sophisticated, intelligent detection module can discriminate against its targets based on valuable assessment variables such as size and time.

Video Smoke Detection: A video smoke detection module can be deployed using existing, conventional CCTV cameras for high value assets. This approach is particularly beneficial for wide-area outdoor applications where previously there was no real effective solution for smoke detection. The system software analyzes the video image and recognizes the smallest amounts of smoke, even before its visible to the naked eye. Immediately an alarm is registered at the AXxess security center along with a location map and critical response instructions.

Safe Cities™ Security System: This AXxess module links to installed systems at municipal or state-run traffic management centers, to monitor and manage nearby roadway traffic in the event of a major security incident requiring a comprehensive response.

All of these layers and sensors are integrated into the AXxess software platform not only to detect threats but also to define and manage the necessary response. The current capabilities of AXxess make it the most complete, customizable solution to the challenges faced by Security Managers today. As threats and challenges continue to evolve, the open integration design architecture will allow AXxess to progressively develop.

The AXxess™ Family of Security Management Solutions

AXxess Lite

Entry-level system for basic access control functionality

- Support for up to 4 Doors
- Windows® 98/NT/2000/XP
- MS Access Database
- Single User
- 20 access levels
- 1,000 card holders
- Communications: RS-485/232, Fiber Optics

AXxess 202

- Doors supported: Unlimited
- Windows® 2000/XP Professional Edition
- MS Access or SQL Server Database
- Users: Unlimited
- Access Levels: Unlimited (1,000 per RAMM)
- 100,000 Cardholders
- Communications: RS-485/232, Fiber Optics, TCP/IP, Dial Up
- Video Cardholder Verification
- Report Wizard for Customized Reports
- User definable templates and badge designs
- Customizable audible and voice notification
- Email/Paging on System Event
- Optional Modules
 - VideoKey Badging System
 - CCTV/DVR Control
 - Elevator Control
 - Environmental Security Module

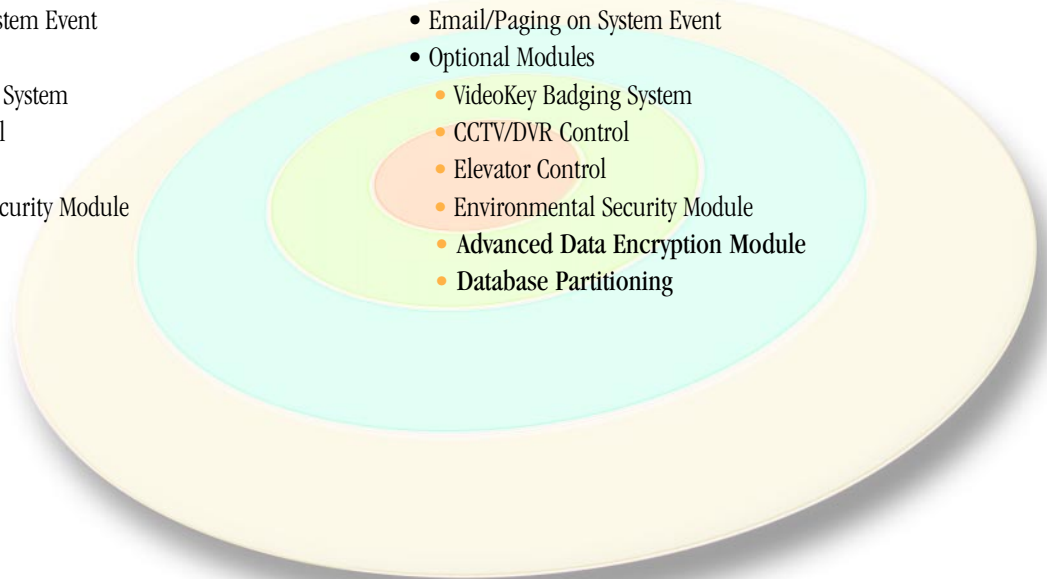
AXxess EXpress

Mid-level system for basic access control functionality

- Support for up to 30 doors
- Windows® 98/NT/2000/XP
- MS Access Database
- Single User
- Supports (5) RAMMs
- 100 Access Levels
- 5,000 Cardholders
- Communications: RS-485/232, Fiber Optics, TCP/IP

AXxess NS

- Doors supported: Unlimited
- Windows® 2000/XP Professional Edition
- MS SQL Server Database
- Users: Unlimited
- Access Levels: Unlimited (1,000 per RAMM)
- 100,000 Cardholders
- Communications: RS-485/232, Fiber Optics, TCP/IP, Dial Up
- Video Cardholder Verification
- Report Wizard for Customized Reports
- User definable templates and badge designs
- Customizable audible and voice notification
- Email/Paging on System Event
- Optional Modules
 - VideoKey Badging System
 - CCTV/DVR Control
 - Elevator Control
 - Environmental Security Module
 - Advanced Data Encryption Module
 - Database Partitioning



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